

IN THE CLAIMS:

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Claims 1-5 (Cancelled):

Claim 6 (Currently Amended): A pin connection structure for use in a floating type brake disc assembly comprising:

a hub;

an annular disc which is concentrically disposed around said hub with a clearance therebetween,

said hub and said disc having plural sets of semicircular connecting dents opening toward said clearance to thereby form respective inserting holes;

a hollow pin inserted into each of said inserting holes with a washer fitted on an end portion of said hollow pin which is subsequently caulked radially outward by a roller for fixing said washer in position, an inner diameter portion of the end portion only slightly expanded by caulking the hollow pin, and expansion does not exceed the outer diameter of the shank of the pin.

wherein said hollow pin is made of a metal having a surface-treated layer, and

wherein said hollow pin is formed in advance into a rounded or arc convex shape in at least part of an inner periphery of said end portion.

Claim 7 (original): The pin connection structure according to claim 6, wherein said

metal is an aluminum alloy.

Claim 8 (original): The pin connection structure according to claim 6, wherein said metal is a ferrous material.

Claim 9 (original): The pin connection structure according to claim 7, wherein said surface-treated layer is an oxide corrosion-resistant film.

Claim 10 (original): The pin connection structure according to claim 8, wherein said surface-treated layer is one of chromium plating and nickel plating.

Claim 11 (Withdrawn): A method of connecting at least two members by a pin, comprising the steps of:

disposing the members one on top of the other, each of the members having an inserting hole;

inserting a hollow pin into the inserting hole of each of the members;

caulking an end position of said hollow pin radially outward to thereby fix said members together,

wherein said hollow pin is made of a metal having a surface-treated layer and is formed into a convex shape in at least part of said end portion, and

wherein said caulking is made by rolling a roller over said end portion of said

hollow pin.

Claim 12 (Withdrawn): The method according to claim 11, wherein said metal is an aluminum alloy.

Claim 13 (Withdrawn): The method according to claim 11, wherein said metal is a ferrous material.

Claim 14 (Withdrawn): The method according to claim 12, wherein said surface-treated layer is an oxide corrosion-resistant film.

Claim 15 (Withdrawn): The method according to claim 13, wherein said surface-treated layer is one of chromium plating and nickel plating.

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(cont)

Claim 16 (Withdrawn): A method of connecting a floating type brake disc assembly by pins, comprising the steps of:

disposing a hub and an annular disc in a concentric relationship with each other with a clearance therebetween, each of said hub and said annular disc having plural sets of semicircular connecting dents opened toward said clearance to thereby form inserting holes;

fitting a washer onto one end portion of each of said hollow pins;

caulking said one end portion of each of said hollow pins radially outward to thereby  
fix said washer in position,

wherein each of said hollow pins is made of a metal having a surface-treated layer  
and is formed into a convex shape in at least part of said end portion, and

wherein said caulking is made by rolling a roller over said one end portion of each  
of said hollow pins.

Claim 17 (Withdrawn): The method according to claim 16, wherein said metal is an  
aluminum alloy.

Claim 18 (Withdrawn): The method according to claim 16, wherein said metal is a  
ferrous material.

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Claim 19 (Withdrawn): The method according to claim 17, wherein said surface-  
treated layer is an oxide corrosion-resistant film.

Claim 20 (Withdrawn): The method according to claim 18, wherein said surface-  
treated layer is one of chromium plating and nickel plating.